

NEC 2x2 LCD TileMatrix™ Video Wall Solutions

40"/46"/52" LCD Display/Mounting System/Cabling/Power Suppression



NEC Display Solutions' complete 2x2 LCD TileMatrix Video Wall Solutions provide for an all-in-one, easy-to-configure solution that is ideal for dynamic digital signage, information display and command & control applications.

Exclusive TileMatrix and TileComp™ technologies, combined with the ultra-thin bezel design of NEC MultiSync 20 Series displays, provide for a near seamless video wall without the need for additional third-party equipment. When compared to 82"-108" single-screen displays, NEC's video wall solutions deliver a more cost-effective and easier-to-transport and install alternative for your application.

LCD technology alleviates downfalls affiliated with rear-projection and plasma displays. This includes improved color and brightness uniformity as well as full HD resolution (LCD5220-TMX4) for stunning video clarity. In addition, one need not worry about the added expense of costly replacement lamps.

Solution Features and Benefits

TileMatrix allows you to build video walls up to 25 displays using only one video source. This helps avoid the hassle and extra costs of using splitters or connecting monitors to multiple sources.

TileComp works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall

The ultra-thin-bezel design of the MultiSync 20 Series (as thin as 0.61 in. / 15.5mm) is one of the smallest in the industry

XtraView® wide-angle viewing technology delivers flexible horizontal and vertical viewing angles with less glare, reflection and distortion

Rapid Response™ technology delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video

6-axis color control engine allows for precise and simplified color, color temperature (2600 - 10,000K) and saturation adjustment

The high-efficiency backlight reduces not only the power consumption but also the heat generation at the front of the screen. In addition, internal temperature sensors work in tandem with thermostatic cooling fans to continuously monitor the interior temperature of the display, control self-protective circuits and minimize heat damage.

Real-time clock allows for content scheduling and monitor sleep/wake management, improving energy savings and extending display life

NaViSet™ software utilizes the monitor's advanced control and diagnostics capabilities to provide AV and IT professionals with remote access to monitor settings over their existing network. This can be used in combination with daisy chain-enabled RS-232C to control individually addressable displays.

Digital Factory PerfectAlign mounting system is compact and slim, which allows the displays to be mounted as close to the wall as possible

Extron® cables are premium quality and provide uncompromising high resolution signal distribution and multipurpose interconnectivity solutions for a wide range of professional, commercial, residential, themed entertainment and live event AV environments

Tripp Lite surge suppressor, featuring six outlets and \$50,000 ultimate lifetime insurance, prevents system crashes, reboots and performance problems

TARGET MARKETS

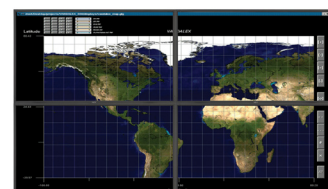
Public Information & Digital Signage

Retail advertising/branding
Hospitality
Corporate lobbies
FIDS/GIDS/BIDS
Tradeshows
Houses of worship
Higher education



Command & Control

Utilities
Defense
Homeland Security
Weather stations
Call centers
Traffic management
Broadcast stations
NOCs



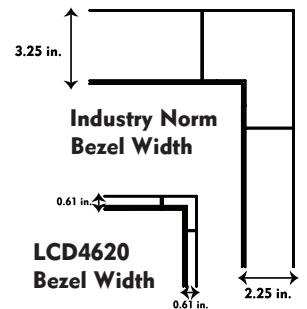
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NEC MultiSync 20 Series

Your digital signage applications will never look the same. The 40" NEC MultiSync LCD4020, 46" LCD4620 and 52" LCD5220 give your messages and images the "wow factor" they need to reach audiences with maximum impact. In addition to the exclusive Digital Signage Technology Suite, which boasts nearly 30 advanced features, these displays tout an ultra-thin bezel for tiled-wall configurations, a built-in expansion slot that future-proofs them for emerging technologies and HD resolution that turns heads and draws crowds. In addition, Onsite Overnight Service ensures that a comparable new or refurbished LCD unit will be replaced by a technician within one business day of a customer's call.



Model	LCD4020-2-AV	LCD4620-2-AV	LCD5220-AV
Display			
Viewable Image Size (Diagonal)	40"	46"	52"
Native Resolution	1366 x 768		
Brightness (Typical)	500 cd/m ²		
Contrast Ratio (Typical)	2000:1		
Input Terminals			
RGB1 (Digital)	DVI-D		
RGB2 (Analog)	Analog D-sub		
RGB3 (Analog)	5 BNC (RGBHV)		
Video 1	Composite (Shared RCA and BNC)		
Video 2	S-Video		
Video 3	HDMI		
Component Video (DVD/HD)	Component BNC		
Audio	Audio 1 (MiniJack), Audio 2 and 3 Stereo (RCA), HDMI / Internal Speaker: None		
Output Terminals			
RGB	Yes		
Video	Yes		
Audio	Yes		
External Control	RS-232 for multiple monitor control, IR, DDC/CI		
Audio Amplifier	15W Stereo		
Net Weight (without stand)	64.8 lbs. / 29.4 kg	79.6 lbs. / 36.1 kg	97.7 lbs. / 44.3 kg



Compared to NEC's previous generation of large-screen displays (left), the ultra-thin bezel of the MultiSync 20 Series (right) provides for undistorted image viewing for your tiled video walls.

**TILE
MATRIX**

to build video
walls up to 5x5

**TILE
COMP**

for window pane
effect

XTRAVIEW

for 180° wide-
angle viewing

**RAPID
RESPONSE**

for full-motion video

SpectraView_{II}

to calibrate to same
profile

Extron Cables

Qty. 1

15-pin HD Male to BNC Male Mini High Resolution Cables

- High-performance cable designed for transmission of computer video
- Utilizes Extron MHR-5 Cable
- Smaller diameter, more flexible and easier to pull than regular coax cable, improving ease of installation
- NEC CM-rated, non-plenum cable
- Terminated with five high-quality 75-ohm BNC male connectors at one end



Qty. 3

BNC Male to Male Five Conductor MHR - Mini High Resolution Cables - Plenum

- High-performance coaxial cable for high-resolution video signal distribution
- Lighter, smaller in diameter and more convenient to install than standard coaxial cable
- Provides five 26 AWG, 75-ohm coaxial conductors in a single jacket
- Double-shielded to reduce crosstalk, maintaining the integrity of the video signal
- NEC CMP rated, plenum cable
- Terminated with high-quality 75-ohm BNC connectors



Tripp Lite surge suppressor

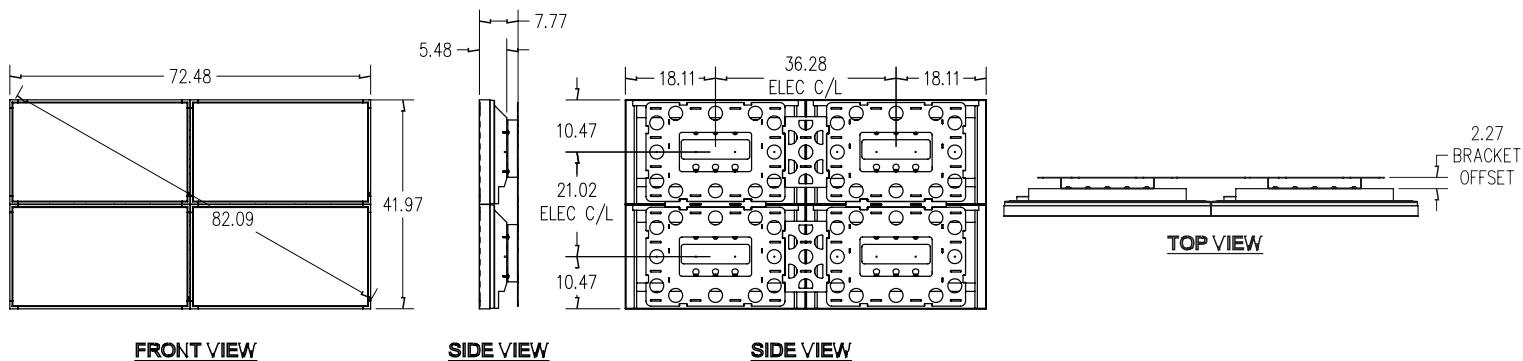
- Features six outlets/6-ft. cord
- \$50,000 Ultimate Lifetime Insurance (US/CDN)
- Network grade surge suppression rated at 2350 joules/97,000 amps
- Prevents system crashes, reboots and performance issues
- Keyhole mounting tabs allow permanent installation
- Lighted power switch confirms power on/off status
- Widely spaced outlets accommodate up to four large transformer plugs without blocking outlets



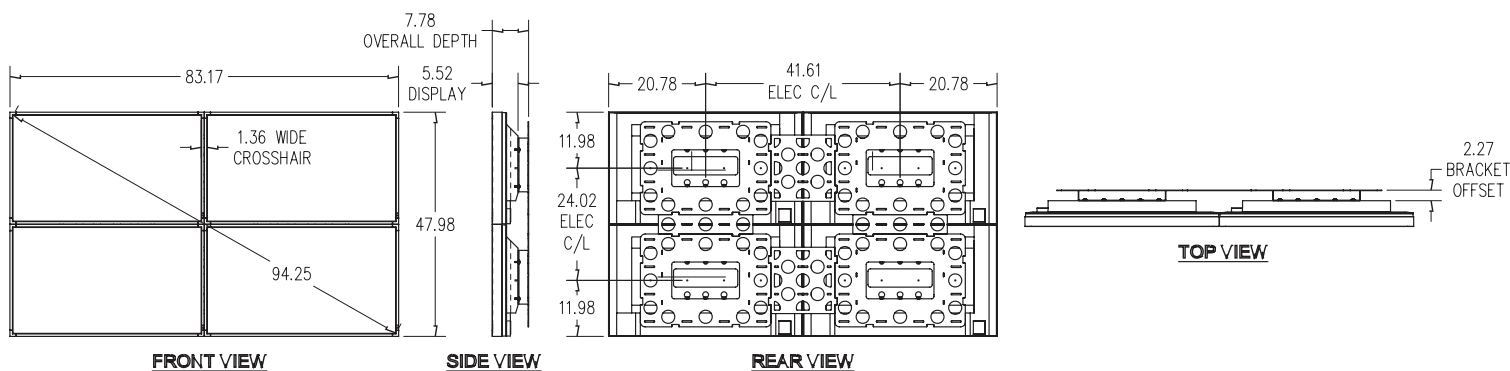
Digital Factory PerfectAlign 2x2 Video Wall System

Designed to support NEC's ultra-thin-bezel large-screen LCD displays, this mounting system allows installers to quickly assemble any video wall configuration imaginable. Easy to install and very simple to maintain, this mounting system ensures that every display is "perfectly aligned" the first time.

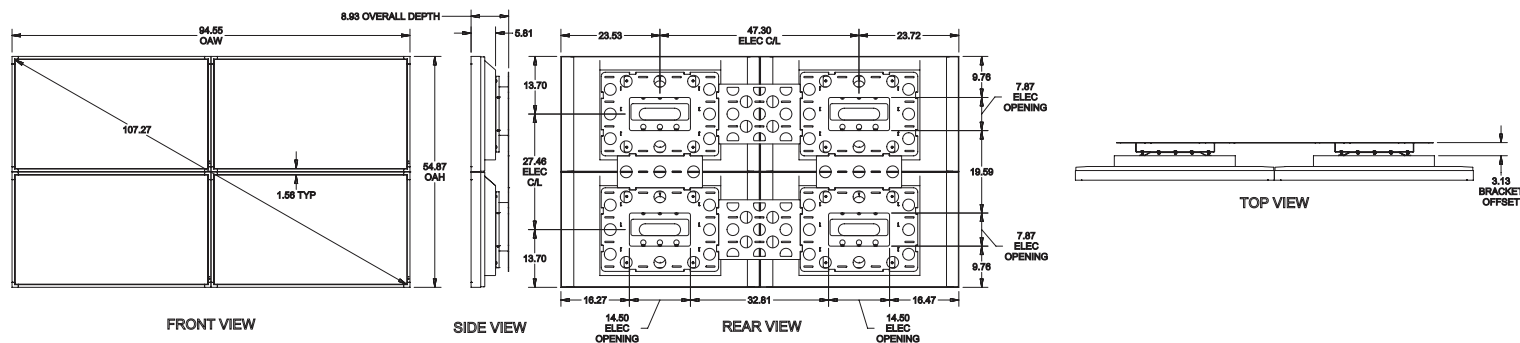
LCD4020



LCD4620



LCD5220



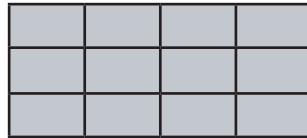
Build the digital signage solution you've always imagined

The possibilities are virtually endless when it comes to your digital signage solution. NEC's large-screen displays, which are available in sizes up to 82", can be tiled in a variety of configurations (up to 5 x 5 for select models; see below for examples).

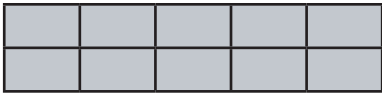
1 x 5



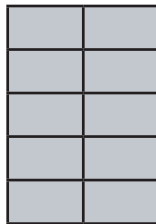
3 x 4



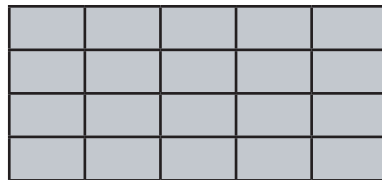
2 x 5



5 x 2



4 x 5



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NEC Display Solutions
500 Park Boulevard, Suite 1100
Itasca, IL 60143
866-NEC-MORE

NEC